Dart Aerospace Ltd. Wednesday, 7/11/2007 2:49:32 PM User **Process Sheet** : DOUBLER ASSEMBLY **Drawing Name** : CU-DAR001 Dart Helicopters Services Customer Job Number : 33494C **Estimate Number** : 10295 Part Number : D3220042 P.O. Number D3220 REV A1 **Drawing Number** : 7/11/2007 S.O. No. : This Issue : N/A Prsht Rev. : NC Project Number : A1 : // Type : MACHINED PARTS **Drawing Revision** First Issue : 30158C Material **Previous Run** : 8/5/2007 Qty: 10 Um: Each **Due Date** Written By Checked & Approved By 05-11-06 JLM : Est Rev:A Mew Issue Comment EC Est: B 06.11.15 waterjet **Additional Product** Job Number: Description: Seq. #: M2024T3S050 2024-T3 .050-sheet 1.0 11 Comment: Qty.: 0.7266 sf(s)/Unit Total: 7.2660 sf(s) Material: 2024-T3 (QQ-A-250/4) 0.050" thick (M2024T3S.050 Identify for D3220-2 Batch: FLOW WATER JET WATER JET 2.0 Comment: FLOW WATER JET 1-Cut D3220-1 as per Dwg D3220 Dwg Rev: A Prog Rev: # SAD 07/07/29 10 2-Deburr if necessary INSPECT PARTS AS THEY COME OFF MACHINE 3:0

Comment: INSPECT PARTS AS THEY COME OFF MACHINE

Comment: SECOND CHECK

SECOND CHECK

SMALL & MEDIUM FAB RESOURCE 1

SMALL FAB

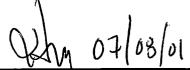
QC8





Comment: SMALL & MEDIUM FAB RESOURCE 1

1-Deburr





4.0

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES							
DATE STEE			ζВу	By Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
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Part No:	PAR #: Fault Category:	NCR: Yes No DQA:	Date:
,	,	QA: N/C Closed:	Date:
NCR:	WORK ORDER NON	-CONFORMANCE (NCR)	

NCR: WC		WORK ORDER NON-CONFORMANCE (NCF			R)		
		Description of NC		Corrective Action Section B	Verification	Approval	Annewal
DATE	STEP	Section A	Initial Chief Eng	Action Description Sign 8 Chief Eng Date	Section C	Chief Eng	Approva QC Inspecto
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NOTE: Date & initial all entries

Wednesday, 7/11/2007 2:49:32 PM Date: Kim Johnston User: **Process Sheet** Drawing Name: DOUBLER ASSEMBLY Customer: CU-DAR001 Dart Helicopters Services Part Number: D3220042 Job Number: 33494C Job Number: XX Description: Seq. #: Machine Or Operation: 2-C'sink D3220-2 as per Dwg D3220 INSPECT WORK TO CURRENT STEP QC5 Comment: INSPECT WORK TO CURRENT STEP HAND FINISHING RESOURCE #1 HAND FINISHING1 Comment: HAND FINISHING RESOURCE #1 Chemical Conversion Coat as per QSI 005 4.1 QC3 8.0 Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION ĺD MS20426AD34 9.0 Comment: Qty.: 8.0000 Each(s)/Unit Total: 80.0000 Each(s) Pick: Description Batch Qty Part Number M102404 8 MS20426AD3-4 Rivet FF 07-08-13 MS21059L4 Nutplate 10.0 4.0000 Each(s)/Unit Total 40.0000 Each(s) Comment: Qtv.: Pick: Description Batch_ Nutplate 7102959 **Qty Part Number** 4 MS21059L4 10 SMALL & MEDIUM FAB RESOURCE 1 SMALL FAB 1 11.0 Comment: SMALL & MEDIUM FAB RESOURCE 1 10 Assemble D3220-042 doubler as per Dwg D3220 INSPECT WORK TO CURRENT STEP 12.0 QC5 Comment: INSPECT WORK TO CURRENT STEP

Dart Aerospace Ltd

W/O:		WORK ORDER O	HANGES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspecto
		·					
Part No:	-	PAR #: Fault Category:	NCR: Yes No DQA: Date:				
			QA: N	I/C Close	d:	_ Date: _	

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC	Description of NC Corrective Action Section B				Approval			
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Chief Eng	Approval QC Inspector		
							: 			
						:				

NOTE: Date & initial all entries

Date:

Wednesday, 7/11/2007 2:49:32 PM

User:

Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: DOUBLER ASSEMBLY

Job Number: 33494C

Seq. #:

Job Number:

Machine Or Operation:

Description:

Part Number: D3220042

13.0

PACKAGING RESOURCE #1

14.0

PACKAGING 1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location:

QC21



Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



L 0408-16

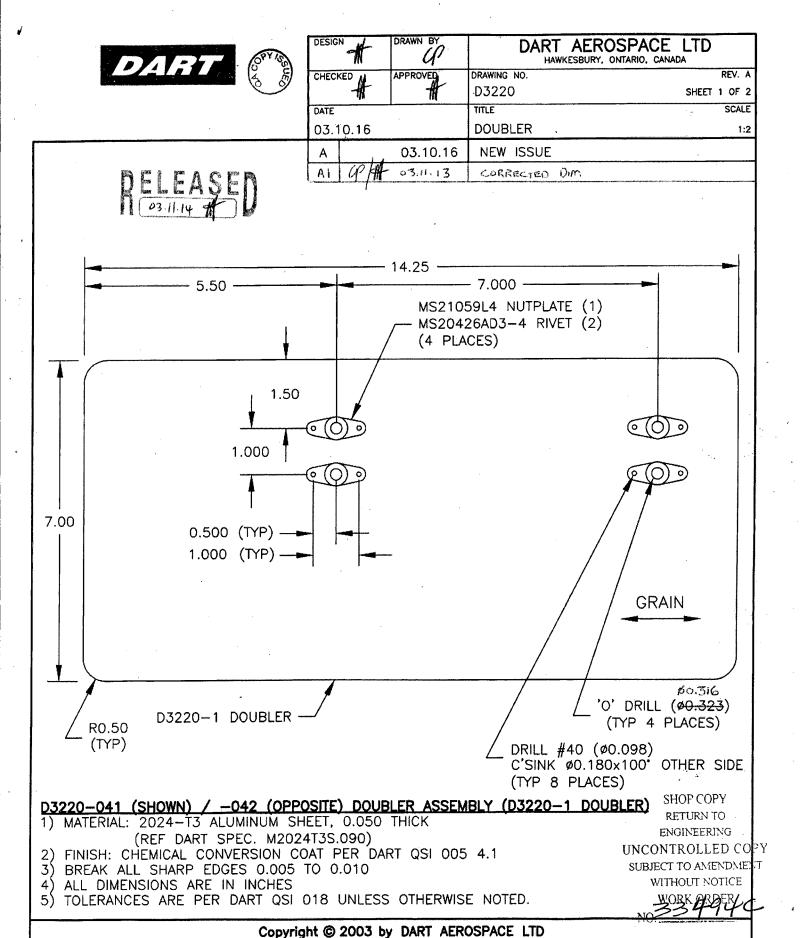
07.08.17

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES									
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NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
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DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector	
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NOTE: Date & initial all entries



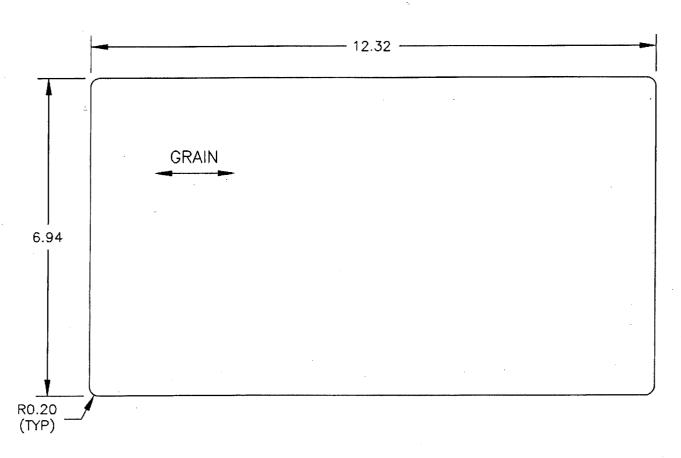
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DESIGN	DRAWN BY		ROSPACE LTD , ontario, canada
CHECKED	APPROVED,	DRAWING NO.	REV. A
#	-	D3220	SHEET 2 OF 2
DATE		TITLE	SCALE
03.10.16		DOUBLER	1:2





D3220-3 DOUBLER

1) MATERIAL: 2024-T3 ALUMINUM SHEET, 0.050 THICK

(REF DART SPEC. M2024T3S.050)

2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1

3) BREAK ALL SHARP EDGES 0.005 TO 0.010

ALL DIMENSIONS ARE IN INCHES

5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.

SHOP COPY RETURN TO ENGINEERING UNCONTROLLED COPY SUBJECT TO AMENDMENT

Ö

WITHOUT NOTICE WORK ORDER

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DART AEROSPACE LTD	Work Order: 33494C
Description: Doubler Assembly	Part Number: <u>132200412</u>
Inspection Dwg: D222() Rev: A)	Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

Х	First Article	Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
14.25	4-0.030	14.25			M-T	
5.50	4/-0.030	5.54	/		Nern	
7.60	+/-0-030	7.01	/		Vern	
1.50	4.0.030	1.50			Vem	
1.000	4-0,010	1.00€	/		Vern	
0.500	4/0.010	0.506	V		Vern	
1.000	1/0.010	1.009	<i>✓</i>	,	Vern	had a stage appeal of the contract of the cont
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	•					- AND THE STREET

Measured by: 5A0	Audited by:	Prototype Approval:		
Date: 07/07/29	Date: 070730	Date:	My	

Rev Date	Change	Revised by	Approved
· A	New Issue	KJ/JLM	

